

## EAST Search History

| Ref # | Hits | Search Query  | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|---|--|------------------|---------|------------------|
| L1    | 2515 | (713/176).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/08/14 14:06 |
| L2    | 0    | (380/100).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/08/14 14:06 |
| L3    | 2557 | (382/100).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/08/14 14:06 |
| S1    | 127  | (380/269).CCLS.   | US-PGPUB;<br>USPAT   | OR               | OFF     | 2007/05/31 13:25 |
| S2    | 10   | S1 and (entropy)  | US-PGPUB;<br>USPAT   | OR               | OFF     | 2007/08/13 11:27 |
| S3    | 2    | S1 and (entropy) and (rectangular)  | US-PGPUB;<br>USPAT   | OR               | OFF     | 2007/05/31 13:29 |
| S4    | 6    | "789986".ap.  | US-PGPUB;<br>USPAT   | OR               | OFF     | 2007/08/12 17:14 |
| S5    | 0    | "2004000326".pn.  | US-PGPUB;<br>USPAT   | OR               | OFF     | 2007/08/12 17:18 |
| S6    | 1    | "20040003261".pn.   | US-PGPUB;<br>USPAT   | OR               | OFF     | 2007/08/12 17:18 |
| S7    | 20   | ("20010055390" "20020172398" "20020199106" "20030059086" "20030128863" "20030202680" "20030204812" "20030210803" "20040003261" "6535616").PN. | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/08/13 11:28 |
| S8    | 1    | "6931534".pn.   | USPAT  | OR               | OFF     | 2007/08/13 15:21 |
| S9    | 1    | "20040165723".pn.   | US-PGPUB;<br>USPAT   | OR               | OFF     | 2007/08/13 15:21 |

## EAST Search History

|     |        |  |  |     |     |                  |
|-----|--------|--|--|-----|-----|------------------|
| S10 | 12     | ("5195135"   "5715316"   "5805700"   "5845088"   "5898779"   "5953506"   "6026164"   "6216228"   "6449718"   "6557102").PN. OR ("6931534").URPN. | US-PGPUB;<br>USPAT;<br>USOCR   | OR  | OFF | 2007/08/13 17:20 |
| S11 | 714663 | (encod\$4)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2007/08/13 17:40 |
| S12 | 45776  | S11 and rectangular  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2007/08/13 17:21 |
| S13 | 1918   | S12 and ("not overlap\$4" or non-overlap\$4)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2007/08/13 17:22 |
| S14 | 83     | S13 and entropy encoding   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2007/08/13 17:22 |
| S15 | 6      | S14 and quantiza\$4 index  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2007/08/13 17:32 |
| S16 | 6      | S15 and spatial  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2007/08/13 17:44 |

## EAST Search History

|     |        |   |  |     |     |                  |
|-----|--------|---|--|-----|-----|------------------|
| S17 | 6      | S16 and (location position place address)                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON  | 2007/08/13 17:36 |
| S18 | 541619 | (decod\$4)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2007/08/13 17:40 |
| S19 | 351237 | (decod\$4) and (position location address place)          | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON  | 2007/08/13 17:41 |
| S20 | 82518  | S19 and (terminat\$4)                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON  | 2007/08/13 17:42 |
| S21 | 10104  | S20 and (encrypt\$4)                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON  | 2007/08/13 17:42 |
| S22 | 3      | S16 and (flag tag)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON  | 2007/08/13 17:44 |
| S23 | 114051 | (insert or add) with ((position or location) information) | US-PGPUB;<br>USPAT   | OR  | OFF | 2007/08/13 20:29 |
| S24 | 657    | (insert or add) with ((position or location) information) | US-PGPUB;<br>USPAT   | ADJ | OFF | 2007/08/13 20:13 |
| S25 | 178    | S24 and (decod\$4)  | US-PGPUB;<br>USPAT   | ADJ | OFF | 2007/08/13 20:43 |
| S26 | 134    | S25 and (start\$4)  | US-PGPUB;<br>USPAT   | ADJ | OFF | 2007/08/13 20:14 |

## EAST Search History

|     |     |  |  |     |     |                  |
|-----|-----|--|--|-----|-----|------------------|
| S27 | 6   | S25 and ((start\$4 or begin\$4)<br>(postion or location))  | US-PGPUB;<br>USPAT   | ADJ | OFF | 2007/08/13 20:15 |
| S28 | 313 | (insert or add or append) with<br>(position information)   | US-PGPUB;<br>USPAT   | ADJ | OFF | 2007/08/13 20:31 |
| S29 | 16  | S28 with (begin\$4 or start\$4)  | US-PGPUB;<br>USPAT   | ADJ | OFF | 2007/08/13 20:32 |
| S30 | 1   | S28 with (begin\$4 or start\$4) with<br>(block or stream)  | US-PGPUB;<br>USPAT   | ADJ | OFF | 2007/08/13 20:32 |
| S31 | 11  | S24 with (decod\$4)  | US-PGPUB;<br>USPAT   | ADJ | OFF | 2007/08/13 20:43 |
| S32 | 149 | (append or add or insert)(location<br>information)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2007/08/13 21:36 |
| S33 | 0   | (append or add or insert)(location<br>information) (block or stream)                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2007/08/13 21:37 |
| S34 | 9   | ((append or add or insert)(location<br>information)) same (block or<br>stream)                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2007/08/13 21:40 |
| S35 | 0   | ((append or add or insert)(location<br>information)) same (block or<br>stream) same (start\$4 or begin\$4) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2007/08/13 21:41 |
| S36 | 119 | ((append or add or insert)(location<br>or position)) same (block or<br>stream) same (start\$4 or begin\$4) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2007/08/13 21:42 |

## EAST Search History

|     |   |  |  |     |    |                  |
|-----|---|--|--|-----|----|------------------|
| S37 | 1 | ((append or add or insert)(location or position) information) same (block or stream) same (start\$4 or begin\$4) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/08/13 21:42 |
|-----|---|--|--|-----|----|------------------|

## EAST Search History

| Ref # | Hits | Search Query                       | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|------------------------------------|--|------------------|---------|------------------|
| L1    | 2515 | (713/176).CCLS.                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/08/14 14:06 |
| L2    | 0    | (380/100).CCLS.                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/08/14 14:06 |
| L3    | 2557 | (382/100).CCLS.                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/08/14 14:07 |
| L4    | 6    | Junichi-hayashi.in.                | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/08/14 14:08 |
| L5    | 365  | hayashi-Junichi.in.                | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/08/14 14:08 |
| S1    | 127  | (380/269).CCLS.                    | US-PGPUB;<br>USPAT   | OR               | OFF     | 2007/05/31 13:25 |
| S2    | 10   | S1 and (entropy)                   | US-PGPUB;<br>USPAT   | OR               | OFF     | 2007/08/13 11:27 |
| S3    | 2    | S1 and (entropy) and (rectangular) | US-PGPUB;<br>USPAT   | OR               | OFF     | 2007/05/31 13:29 |
| S4    | 6    | "789986".ap.                       | US-PGPUB;<br>USPAT   | OR               | OFF     | 2007/08/12 17:14 |
| S5    | 0    | "2004000326".pn.                   | US-PGPUB;<br>USPAT   | OR               | OFF     | 2007/08/12 17:18 |
| S6    | 1    | "20040003261".pn.                  | US-PGPUB;<br>USPAT   | OR               | OFF     | 2007/08/12 17:18 |

## EAST Search History

|     |        |  |  |     |     |                  |
|-----|--------|--|--|-----|-----|------------------|
| S7  | 20     | ("20010055390" "20020172398" "20020199106" "20030059086" "20030128863" "20030202680" "20030204812" "20030210803" "20040003261" "6535616").PN.    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2007/08/13 11:28 |
| S8  | 1      | "6931534".pn.  | USPAT  | OR  | OFF | 2007/08/13 15:21 |
| S9  | 1      | "20040165723".pn.  | US-PGPUB;<br>USPAT   | OR  | OFF | 2007/08/13 15:21 |
| S10 | 12     | ("5195135"   "5715316"   "5805700"   "5845088"   "5898779"   "5953506"   "6026164"   "6216228"   "6449718"   "6557102").PN. OR ("6931534").URPN. | US-PGPUB;<br>USPAT;<br>USOCR   | OR  | OFF | 2007/08/13 17:20 |
| S11 | 714663 | (encod\$4)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2007/08/13 17:40 |
| S12 | 45776  | S11 and rectangular  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2007/08/13 17:21 |
| S13 | 1918   | S12 and ("not overlap\$4" or non-overlap\$4)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2007/08/13 17:22 |
| S14 | 83     | S13 and entropy encoding   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2007/08/13 17:22 |

## EAST Search History

|     |        |  |  |     |     |                  |
|-----|--------|--|--|-----|-----|------------------|
| S15 | 6      | S14 and quantiza\$4 index                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2007/08/13 17:32 |
| S16 | 6      | S15 and spatial                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2007/08/13 17:44 |
| S17 | 6      | S16 and (location position place address)        | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON  | 2007/08/13 17:36 |
| S18 | 541619 | (decod\$4)                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2007/08/13 17:40 |
| S19 | 351237 | (decod\$4) and (position location address place) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON  | 2007/08/13 17:41 |
| S20 | 82518  | S19 and (terminat\$4)                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON  | 2007/08/13 17:42 |
| S21 | 10104  | S20 and (encrypt\$4)                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON  | 2007/08/13 17:42 |

## EAST Search History

|     |        |  |  |     |     |                  |
|-----|--------|--|--|-----|-----|------------------|
| S22 | 3      | S16 and (flag tag)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON  | 2007/08/13 17:44 |
| S23 | 114051 | (insert or add) with ((position or location) information)                | US-PGPUB;<br>USPAT   | OR  | OFF | 2007/08/13 20:29 |
| S24 | 657    | (insert or add) with ((position or location) information)                | US-PGPUB;<br>USPAT   | ADJ | OFF | 2007/08/13 20:13 |
| S25 | 178    | S24 and (decod\$4)   | US-PGPUB;<br>USPAT   | ADJ | OFF | 2007/08/13 20:43 |
| S26 | 134    | S25 and (start\$4)   | US-PGPUB;<br>USPAT   | ADJ | OFF | 2007/08/13 20:14 |
| S27 | 6      | S25 and ((start\$4 or begin\$4) (postion or location))                   | US-PGPUB;<br>USPAT   | ADJ | OFF | 2007/08/13 20:15 |
| S28 | 313    | (insert or add or append) with (position information)                    | US-PGPUB;<br>USPAT   | ADJ | OFF | 2007/08/13 20:31 |
| S29 | 16     | S28 with (begin\$4 or start\$4)  | US-PGPUB;<br>USPAT   | ADJ | OFF | 2007/08/13 20:32 |
| S30 | 1      | S28 with (begin\$4 or start\$4) with (block or stream)                   | US-PGPUB;<br>USPAT   | ADJ | OFF | 2007/08/13 20:32 |
| S31 | 11     | S24 with (decod\$4)  | US-PGPUB;<br>USPAT   | ADJ | OFF | 2007/08/13 20:43 |
| S32 | 149    | (append or add or insert)(location information)                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2007/08/13 21:36 |
| S33 | 0      | (append or add or insert)(location information) (block or stream)        | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2007/08/13 21:37 |
| S34 | 9      | ((append or add or insert)(location information)) same (block or stream) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2007/08/13 21:40 |

## EAST Search History

|     |     |  |  |     |    |                  |
|-----|-----|--|--|-----|----|------------------|
| S35 | 0   | ((append or add or insert)(location information)) same (block or stream) same (start\$4 or begin\$4)             | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/08/13 21:41 |
| S36 | 119 | ((append or add or insert)(location or position)) same (block or stream) same (start\$4 or begin\$4)             | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/08/13 21:42 |
| S37 | 1   | ((append or add or insert)(location or position) information) same (block or stream) same (start\$4 or begin\$4) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2007/08/13 21:42 |